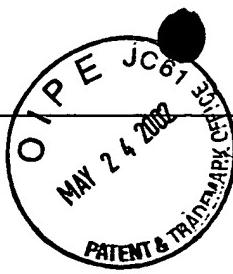


SEQUENCE LISTING



TECH CENTER 1600/2900

JUN 04 2002

RECEIVED

<110> Barnwell, John W

<120> PLASMODIUM VIVAX BLOOD STAGE ANTIGENS, ANTIBODIES, AND DIAGNOSTIC ASSAYS

<130> 5986/17686-US5

<140> US 09/667,130

<141> 2000-09-21

<150> US 08/719,821

<151> 1996-09-30

<150> US 08/478,417

<151> 1995-06-07

<150> US 08/072,610

<151> 1993-06-02

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B1

B1

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Ser Asn Asp Gly Leu Glu Leu Glu Glu Asn Phe Asp Glu Asn Ser
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Gly Asp Asp Glu Thr Leu Leu Asp Ala Thr Pro Glu Asp Asp Phe Ala
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B1 Leu Thr Asp Leu Pro Ile Glu Asp Asp Glu Glu Val Asn Glu Thr Leu
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Asp Gly Gly Glu Ser Leu Gly Glu Val Ser Thr Glu Asp Met Glu Thr
100 105 110

Glu Asp Gly Ser Thr Asp Asp Thr Glu Thr Glu Glu Gly Leu Pro Gly
115 120 125

Asp Met Glu Gly Glu Glu Ala Gly Asp Met Glu Ala Gly Glu Glu
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Ala Gly Asp Leu Glu Ala Gly Glu Glu Thr Gly Asp Leu Glu Ala Gly
145 150 155 160

Glu Glu Thr Gly Asp Leu Glu Ala Gly Glu Glu Ala Gly Asp Leu Glu
165 170 175

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195

200

205

Ala Thr Val Tyr Val Asp Thr Glu Asp Ser Ser Ala Asp Gly Ala Glu
210 215 220

Lys Val His Val Pro Ala Gln Glu Asn Val Gln Pro Ala Asp Ser Asn
225 230 235 240

Asp Ala Leu Phe Gly Ser Ile Leu Asp Lys Asp Ile Ile Phe Asp His
245 250 255

Ile Lys Asp Phe Glu Pro Leu Phe Glu Gln Ile Val Ala Gly Thr Ala
260 265 270

Lys His Val Thr Gly Gln Glu Leu Pro Met Lys Pro Val Pro Leu Pro
275 280 285

β1

Val Ala Glu Glu Pro Ala Gln Val Pro Ala Glu Glu Leu Asp Ala Thr
290 295 300

Pro Glu Asp Asp Phe Ala Leu Asp Val Thr Glu Ser Pro Glu Glu Val
305 310 315 320

Glu Leu Val Leu Asp Glu Glu Ala Thr Glu Glu Glu Ser Thr Glu Val
325 330 335

Gly Pro Thr Glu Glu Gly Pro Thr Glu Glu Leu Asp Ala Thr Pro Glu
340 345 350

Asp Gly Phe Arg Ile Arg Arg Asn Cys Arg Arg Arg Asn Arg Arg Asn
355 360 365

Val Glu Gly Glu Glu Thr Glu Glu Ala Ala Glu Gly Glu Val Ser Glu
370 375 380

Glu Thr Pro Glu Gly Glu Glu Glu Leu Glu Ala Thr Pro Glu Asp Asp
385 390 395 400

Phe Ala Leu Asp Gly Thr Thr Leu Glu Glu Thr Glu Glu Thr Ala Glu
405 410 415

Gly Glu Glu Thr Val Glu Gly Glu Glu Thr Val Glu Gly Glu Glu Thr
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Val Glu Gly Glu Glu Ala Ala Glu Gly Glu Glu Glu Leu Glu Ala Thr
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Pro Glu Asp Asp Phe Gln Leu Glu Glu Pro Ser Gly Glu Gly Glu Gly
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β Pro Val Val Ala Glu Pro Val Glu Val Val Thr Pro Ala Gln Pro Val
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Lys Pro Met Val Ala Pro Thr Ala Asp Glu Thr Leu Phe Val Asp Ile
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Leu Asp Asn Asp Leu Thr Tyr Ala Asp Ile Thr Ser Phe Glu Pro Leu
515 520 525

Phe Lys Gln Ile Leu Lys Asp Pro Asp Ala Gly Glu Ala Val Thr Val
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Pro Ser Lys Glu Ala Pro Val Gln Val Pro Val Ala Val Gly Pro Ala
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Gln Glu Val Pro Thr Glu Glu Leu Met Gln Leu Gln Glu Asp Asp Phe
565 570 575

Glu Leu Glu Gly Thr Ala Glu Ala Pro Glu Glu Gly Glu Leu Val Leu
580 585 590

Glu Gly Glu Gly Glu Pro Thr Glu Glu Glu Pro Arg Glu Gly Glu Pro

595

600

605

Thr Glu Gly Glu Val Pro Glu Glu Glu Leu Glu Ala Thr Pro Glu Asp
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Asp Phe Glu Leu Glu Glu Pro Thr Gly Glu Glu Val Glu Glu Thr Val
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Ala Val Val Glu Glu Glu Val Pro Glu Glu Val Glu Glu Glu Glu
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Trp Leu Arg Leu Ile Glu Asn Lys Trp Ser Glu Tyr Ser Gln Ile Ser
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β1
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885 890 895

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1005

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